

Laying of composite marble



We know the problems

- Materials very sensitive to humidity
- Materials with high thermal expansion
- Screeds with insufficient compressive strength
- Non-flat screeds

And we can solve them

- Use suitable adhesives
- Screeds must be quick setting and offer significant mechanical performance
- Carefully evaluate the limitations of use specified by the manufacturer



Project

- SCREED

Screed in cement-based mortar, minimum thickness 4 cm, produced with quick hydration and normal setting binder of type **KRONOS** by Technokolla and silica aggregates with continuous grain size from 0 to 8 mm, reinforced with synthetic fibres and/or wire netting.

The screed should have a resistance of 25 N/mm² after 28 days and allow composite marbles to be laid 24-48 hours after casting.

Screed reinforced with synthetic fibres and/or zinc-coated wire netting, 5x5 cm Ø 2 mm mesh placed at 1/3 of the screed thickness.

Dosage for 1 m³ of aggregates from 0 to 8 mm:

250 kg of **KRONOS**;

150 l of water.

- FLOORING

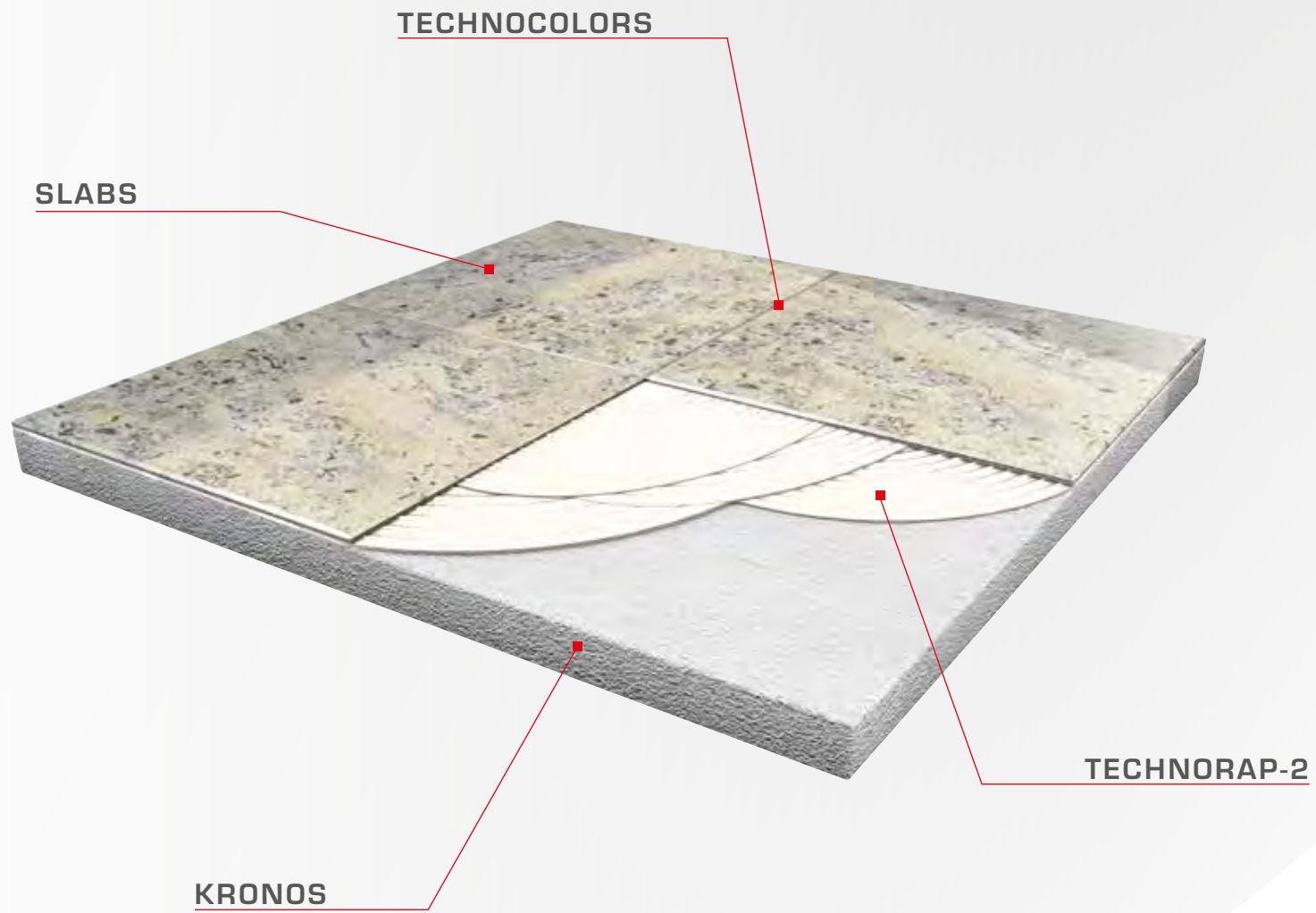
Flooring and skirting board base in composite marble slabs, laid on screed in **KRONOS** with highly flexible cement-based adhesive suitable for the laying of composite marble, marble and natural stone of type **TECHNORAP-2** or epoxy-polyurethane adhesive of type **ALL 9000** by Technokolla, compliant with European standard **EN 12004 C2F TE S1** (Technorap-2) and **R2T** (All 9000).

A grout line of 4-5 mm sealed with low-modulus cement-based grout of type **TECHNOCOLORS** by Technokolla, compliant with European standard **EN 13888 CG2 WA**.

Floor-skirting board joint and sectioning joints every 12 m² sealed with suitable elastomeric sealant, following the positioning of a synthetic cord. The correct procedure involves sealing with silicone before grouting with cement-based products.

Adhesive consumption: from 4 kg/m² (coverage depends on slab size).

Grout consumption: 0.35 kg/m² (30x30 cm size, 4 mm grout line).



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spotlight product *(alternatives)*



screed

Kronos

Binder to be used in place of cement when making the screed. It ensures quick hardening with very limited shrinkage for the laying of composite marble 24/48 hours after casting. It ensures a compressive strength > 25 MPa.



All 9000

High-performance two-component polyurethane adhesive suitable for the laying of composite marble that is very sensitive to humidity.

ALL 9000 is compliant with European standard **EN 12004 R2T**.



Technorap-2

Highly flexible, rapid two-component adhesive for the laying of composite marble slightly sensitive to humidity.

TECHNORAP-2 is compliant with European standard **EN 12004 C2FT, S1**.

It is a **LOW-VOC** product tested by **EUROFINS**.



groutings

Technocolors

The revolutionary cement-based sealant for building is produced in a vast range of colours. This new concept of grout stands out for its extraordinary velvety finish, exceptional gloss and high water repellency.

TECHNOCOLORS is compliant with European standard **EN 13888 CG2 WA**.

It is a **LOW-VOC** product tested by **EUROFINS**.

The complete COLOUR RANGE of Technokolla grouts can be found in the cover appendix.

NOTE

Always follow the manufacturer's instructions regarding the type and nature of the most suitable bonding agent to be used for the outdoor laying of composite marble.

Check any limitations indicated by the manufacturer regarding the residual humidity of the substrate.

Technical drawings

